



INVOICE

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

INVOICE

FOR PROFESSIONAL SERVICES

USEPA Region 9, P-3-1
1337 So. 46th
Building 201
Richmond, CA 94804-4698

ATTN: Greg Nagle

Number 247502

Date 06/03/14

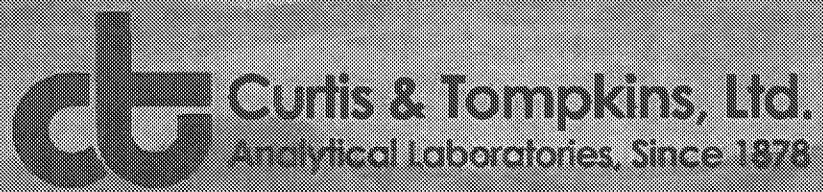
P.O. No. 3SC086NTLX

DEPT	DESCRIPTION	Matrix	#	PRICE	PREMIUM	EXTENDED
4508	EPA 1664 Oil & Grease (Total)	Water	1	\$50.00		\$50.00

JOB#: R14N02
LOGIN#: 257440
CONTACT: Greg Nagle
LOCATION: OCS-2014

TOTAL: \$50.00

44



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Laboratory Job Number 257440
ANALYTICAL REPORT

USEPA Region 9, P-3-1
1337 So. 46th
Richmond, CA 94804-4698

Project : R14N02
Location : OCS-2014
Level : II

Sample ID
HOGAN

Lab ID
257440-001

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: _____

Tracy Babjar
Project Manager
tracy.babjar@ctberk.com
(510) 204-2226

Date: 06/03/2014

CA ELAP# 2896, NELAP# 4044-001

CASE NARRATIVE

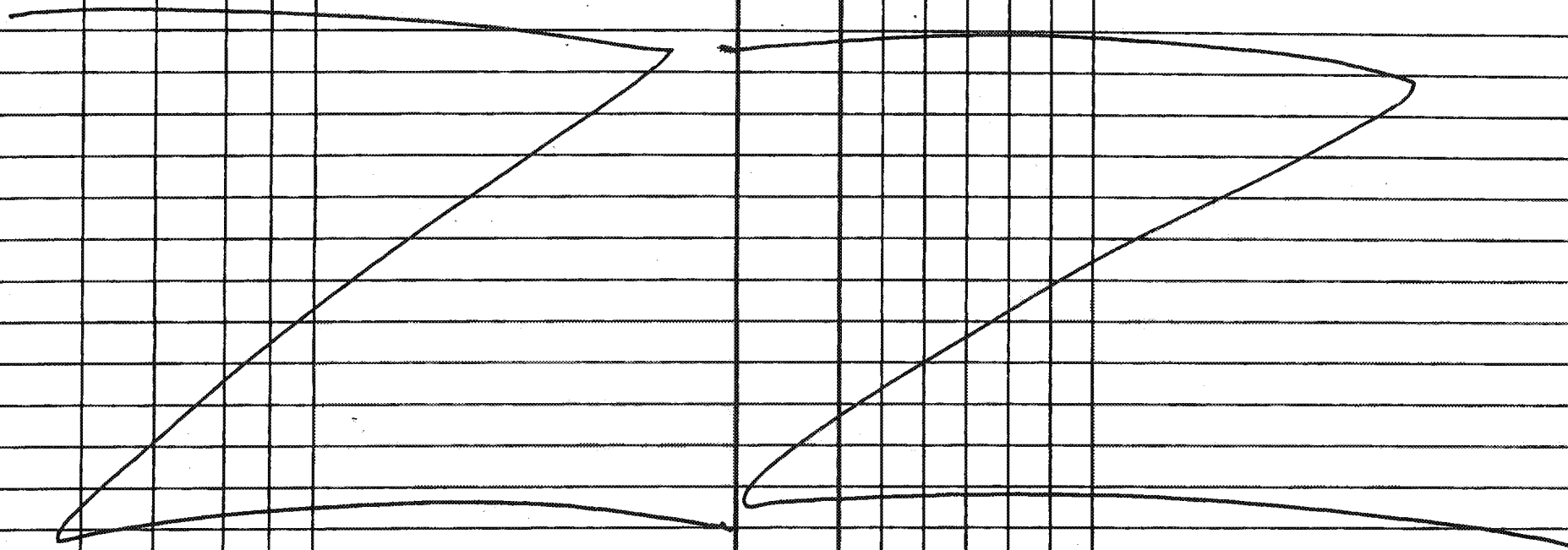
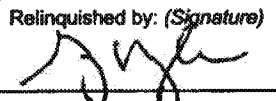

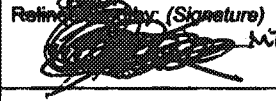
Laboratory number: 257440
Client: USEPA Region 9, P-3-1
Project: R14N02
Location: OCS-2014
Request Date: 05/30/14
Samples Received: 05/30/14

This data package contains sample and QC results for one water sample, requested for the above referenced project on 05/30/14. The sample was received cold and intact.

Total Oil & Grease (HEM) (EPA 1664A):

Matrix spikes were not performed for this analysis due to insufficient sample volume. Oil & grease (HEM) was detected between the MDL and the RL in the method blank for batch 211717; this analyte was not detected in the sample at or above the RL. No other analytical problems were encountered.

257440
CHAIN OF CUSTODY RECORD

PROJ. NO. 214ND20CS-2014		PROJECT NAME			NO. OF CON- TAINERS	<div style="border: 1px solid black; padding: 5px; transform: rotate(-45deg); display: inline-block;"> OIL + GREASE 1664 </div>				REMARKS	
SAMPLERS: (Signature) JAMES SALMONS (BSEE)											
DATE	TIME	MATRIX	COMP.	GRAB							SAMPLE IDENTIFICATION
5/20/14	0745	W				HOGAN	2	X			
											
Relinquished by: (Signature) 		Date / Time 5/30/14 1024		Received by: (Signature) 		Relinquished by: (Signature) 		Date / Time 5/30/14 1030		Received by: (Signature)	
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)	
Received for Laboratory by: (Signature)		Date / Time		Temp.		Seals Intact (Y/N)		Conditions / Remarks NO NEED TO COMPOSITE.			

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

9-3926

COOLER RECEIPT CHECKLIST



Curtis & Tompkins, Ltd.

Login # 257440 Date Received 5/30/14 Number of coolers 1
 Client ENVIRONMENTAL Project RIUNO2 OCS - 2014

Date Opened 5/30/14 By (print) M7 (sign) [Signature]
 Date Logged in ↓ By (print) ↓ (sign) ↓

1. Did cooler come with a shipping slip (airbill, etc) _____ YES ☒ NO
 Shipping info _____

2A. Were custody seals present? ☐ YES (circle) on cooler on samples ☒ NO
 How many _____ Name _____ Date _____

2B. Were custody seals intact upon arrival? _____ YES NO N/A

3. Were custody papers dry and intact when received? _____ YES NO

4. Were custody papers filled out properly (ink, signed, etc)? _____ YES NO

5. Is the project identifiable from custody papers? (If so fill out top of form) _____ YES NO

6. Indicate the packing in cooler: (if other, describe) _____

☐ Bubble Wrap ☐ Foam blocks ☐ Bags ☒ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation: * Notify PM if temperature exceeds 6°C

Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None Temp(°C) 6.2

☐ Samples received on ice & cold without a temperature blank; temp taken with IR gun

☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ YES ☒ NO
 If YES, what time were they transferred to freezer? _____

9. Did all bottles arrive unbroken/unopened? _____ YES NO

10. Are there any missing / extra samples? _____ YES NO

11. Are samples in the appropriate containers for indicated tests? _____ YES NO

12. Are sample labels present, in good condition and complete? _____ YES NO

13. Do the sample labels agree with custody papers? _____ YES NO

14. Was sufficient amount of sample sent for tests requested? _____ YES NO

15. Are the samples appropriately preserved? _____ YES NO N/A

16. Did you check preservatives for all bottles for each sample? _____ YES NO N/A

17. Did you document your preservative check? _____ YES NO N/A

18. Did you change the hold time in LIMS for unpreserved VOAs? _____ YES NO N/A

19. Did you change the hold time in LIMS for preserved terracores? _____ YES NO N/A

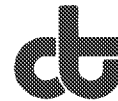
20. Are bubbles > 6mm absent in VOA samples? _____ YES NO N/A

21. Was the client contacted concerning this sample delivery? _____ YES NO

If YES, Who was called? _____ By _____ Date: _____

COMMENTS

Rev 10, 10/11



Curtis & Tompkins, Ltd.

Detections Summary for 257440

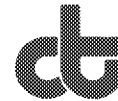
Client : USEPA Region 9, P-3-1
Project : R14N02
Location : OCS-2014

Client Sample ID : HOGAN

Laboratory Sample ID :

257440-001

Analyte	Result	Flags	RL	MDL	Units	Basis	IDF	Method	Prep Method
Oil & Grease (HEM)	11.2		10.0	3.40	mg/L	TOTAL	2.000	EPA 1664A	METHOD



Curtis & Tompkins, Ltd.

Total Oil & Grease (HEM)

Lab #:	257440	Location:	OCS-2014
Client:	USEPA Region 9, P-3-1	Prep:	METHOD
Project#:	R14N02	Analysis:	EPA 1664A
Analyte:	Oil & Grease (HEM)	Batch#:	211717
Field ID:	HOGAN	Sampled:	05/20/14
Matrix:	Water	Received:	05/30/14
Units:	mg/L	Analyzed:	06/02/14

Type	Lab ID	Result	RL	Diln Fac
SAMPLE	257440-001	11.2	10.0	2.000
BLANK	QC742843	1.90 J	5.00	1.000

J= Estimated value

RL= Reporting Limit

Page 1 of 1

2.0

Batch QC Report

Total Oil & Grease (HEM)			
Lab #:	257440	Location:	OCS-2014
Client:	USEPA Region 9, P-3-1	Prep:	METHOD
Project#:	R14N02	Analysis:	EPA 1664A
Analyte:	Oil & Grease (HEM)	Diln Fac:	1.000
Matrix:	Water	Batch#:	211717
Units:	mg/L	Analyzed:	06/02/14

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC742844	40.00	35.40	89	78-114		
BSD	QC742845	40.00	34.70	87	78-114	2	18

RPD= Relative Percent Difference